

ABSTRACT

The invention relates to a process for estimating an instantaneous resistance in a phase winding in a reluctance machine. The process comprises the steps of: receiving a signal indicating a voltage across at least one phase winding; receiving a signal indicating a current through the phase winding; estimating a magnetic flux in response to the voltage signal and the current signal; estimating an instantaneous resistance in the phase winding in accordance with a phase relation between the current signal and the magnetic flux signal. The invention also relates to a method for controlling an electrical machine and a drive system for performing the method.